

Serial No. 09/849,044

CLAIM AMENDMENTS

1 1. (Currently Amended) A stent graft comprising:
2 at least one stent having a proximal end and a distal end and having
3 a lumen extending therethrough between the proximal and distal ends, and
4 a covering of collagen having an isolated extracellular matrix layer that
5 becomes remodeled by host tissue, secured to the at least one stent and
6 extending therealong between the proximal and distal ends, wherein the
7 covering is a sleeve that initially has a length about equal to twice the length
8 of the at least one stent, a first portion of the sleeve extends along and
9 complements inside surface of the at least one stent, and a second portion
10 of the sleeve is folded back over a proximal end of the at least one stent and
11 then along an outside surface of the at least one stent to the distal end
12 thereof.

1 2. (Canceled)

1 3. (Original) The stent graft of claim 1, comprising a plurality of stents
2 connected together to form a stent frame with lumens of the respective
3 stents coaligned to form a common continuous lumen extending from a distal
4 stent frame end to a proximal stent frame end, and the covering extending
5 therealong between the proximal and distal stent frame ends.

1 4. (Original) The stent graft of claim 3, wherein the stent frame has eyelets
2 at the proximal and distal ends.

1 5. (Original) The stent graft of claim 4, wherein the covering is sutured to
2 the stent frame using a filament of biocompatible material that extends
3 through the eyelets.

1 6. (Original) The stent graft of claim 3, wherein each of said plurality of
2 stents has eyelets at proximal and distal ends thereof, and the covering is

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3 sutured to the stent frame using a filament of biocompatible material that
4 extends through the eyelets.

1 7. (Original) The stent graft of claim 1, wherein the covering is secured to
2 the at least one stent at locations along the stent using a filament of
3 biocompatible material, the locations being adapted to secure the filament in
4 position against movement axially with respect to the stent during
5 deployment at a treatment site of a patient.

1 8. (Original) The stent graft of claim 1, wherein the covering is a sleeve of
2 small intestine submucosa material.

1 9. (Original) The stent graft of claim 8, wherein the sleeve is defined by
2 connecting together along a seam, opposite edges of at least one flat tissue
3 of the small intestine submucosa material.

1 10. (Canceled)

1 11. (Canceled)